

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|--|------------------|---------|---------------------|
| S1    | 9180  | (mica or substrate)<br>near10 ((iron adj oxide)<br>or "Fe2O3" or "Fe.sub.2O.<br>sub.3" or "Fe.sub.2 O.<br>sub.3")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/27<br>09:57 |
| S2    | 26939 | fu.in.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/27<br>09:57 |
| S3    | 23439 | peng.in.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/27<br>09:57 |
| S4    | 14146 | tian.in.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/27<br>09:57 |
| S5    | 1     | (S2 S3 S4) and (pigment<br>same mica same layer<br>same metal adj oxide).<br>clm.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/27<br>09:58 |
| S6    | 2590  | (mica or substrate)<br>near10 ((iron adj oxide)<br>or "Fe2O3" or "Fe.sub.2O.<br>sub.3" or "Fe.sub.2 O.<br>sub.3") near20 (silica or<br>silicon adj dioxide or<br>silicon adj oxide or "SiO.<br>sub.2" or "SiO2")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/27<br>10:05 |
| S7    | 412   | (mica or substrate)<br>near10 ((iron adj oxide)<br>or "Fe2O3" or "Fe.sub.2O.<br>sub.3" or "Fe.sub.2 O.<br>sub.3") near20 (silica or<br>silicon adj dioxide or<br>silicon adj oxide or "SiO.<br>sub.2" or "SiO2") near20<br>("TiO.sub.2" or "TiO2" or<br>"SnO.sub.2" or "SnO2" or<br>"ZrO.sub.2" or "ZrO2" or<br>"Fe.sub.3O.sub.4" or "Fe.<br>sub.3 O.sub.4" or<br>"Fe3O4") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/27<br>10:07 |

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| S8  | 53  | ((mica or substrate) near10 ((iron adj oxide) or "Fe2O3" or "Fe.sub.2O.sub.3" or "Fe.sub.2 O.sub.3") near20 (silica or silicon adj dioxide or silicon adj oxide or "SiO.sub.2" or "SiO2") near20 ("TiO.sub.2" or "TiO2" or "SnO.sub.2" or "SnO2" or "ZrO.sub.2" or "ZrO2" or "Fe.sub.3O.sub.4" or "Fe.sub.3 O.sub.4" or "Fe3O4")).clm. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/05/27<br>10:07 |
| S9  | 42  | (mica near10 ((iron adj oxide) or "Fe2O3" or "Fe.sub.2O.sub.3" or "Fe.sub.2 O.sub.3") near20 (silica or silicon adj dioxide or silicon adj oxide or "SiO.sub.2" or "SiO2") near20 ("TiO.sub.2" or "TiO2" or "SnO.sub.2" or "SnO2" or "ZrO.sub.2" or "ZrO2" or "Fe.sub.3O.sub.4" or "Fe.sub.3 O.sub.4" or "Fe3O4")).clm.                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/05/27<br>10:08 |
| S10 | 138 | optical near thickness with silver   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/19<br>15:40 |
| S11 | 13  | optical near thickness with silver near5 white   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/19<br>15:41 |
| S12 | 1   | DE-2215191-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/19<br>16:00 |
| S13 | 1   | DE-3151354-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/19<br>16:01 |
| S14 | 1   | DE-3235017-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/19<br>16:03 |
| S15 | 1   | DE-3334598-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/19<br>16:11 |

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| S16 | 437   | iron near2 pigment with known  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/21<br>10:25 |
| S17 | 162   | iron near2 pigment with known and pigment.ab.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/21<br>10:25 |
| S18 | 616   | 106/417.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/21<br>10:28 |
| S19 | 0     | 106/291.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/21<br>10:28 |
| S20 | 0     | 106/302.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/21<br>10:28 |
| S21 | 11    | (multiply near2 (coated or coating) near10 substrate near10 pigment).ab. and (substrate same mica) and ("TiO2" or "TiO.sub.2") and ("SiO2" or "SiO.sub.2") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/21<br>10:29 |
| S22 | 675   | 106/415.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/21<br>11:19 |
| S23 | 6     | (S18 or S22) and (multipl \$4 near3 coat\$4 same high near2 refractive same low near2 refractive)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/21<br>11:22 |
| S24 | 10708 | ("TiO.sub.2" or "TiO2" or titania or titanium near oxide or titanium near dioxide) with refractive near2 index   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>13:19 |
| S25 | 720   | ("TiO.sub.2" or "TiO2" or titania or titanium near oxide or titanium near dioxide) with refractive near2 index and pigment.ab.                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>13:19 |

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| S26 | 488 | ("TiO.sub.2" or "TiO2" or titania or titanium near oxide or titanium near dioxide) with refractive near2 index and pigment. ti.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>13:19 |
| S27 | 77  | ("TiO.sub.2" or "TiO2" or titania or titanium near oxide or titanium near dioxide) with refractive near2 index and (interference near pigment).ti.                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>13:19 |
| S28 | 75  | ("SiO.sub.2" or "SiO2" or silicon near oxide or silica or silicon near dioxide) with refractive near2 index and (interference near pigment).ti.                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>13:30 |
| S29 | 1   | (fu.in. or peng.in. or tian.in.) and (pigment and optical near2 thickness). clm.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>15:36 |
| S30 | 627 | 106/417.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>15:36 |
| S31 | 683 | 106/415.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>15:36 |
| S32 | 267 | (S30 S31) and (multilayered or multilayer or layered or layer) near4 pigment and (base or substrate) with mica   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>15:36 |
| S33 | 130 | (S30 S31) and (multilayered or multilayer or layered or layer) near4 pigment and low near refractive and high near refractive  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>15:37 |
| S34 | 88  | (S30 S31) and (multilayered or multilayer or layered or layer) near4 pigment and low near refractive and high near refractive and (protective or outer) near2 (coating or layer) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/07/14<br>15:37 |

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| S35 | 2    | ("20080011198").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/07/14<br>15:40 |
| S36 | 0    | S35 and ("well-defined"<br>or well near2 defined)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/07/14<br>15:41 |
| S37 | 1267 | (angle near2 dependen<br>\$4 or color near2 shift\$4)<br>same pigment same<br>(layered or layer or<br>multilayered or multilayer<br>or coat\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2011/07/19<br>10:48 |
| S38 | 366  | (angle near2 dependen<br>\$4 or color near2 shift\$4)<br>same pigment same<br>(layered or layer or<br>multilayered or multilayer<br>or coat\$4) and (substrate<br>or base) same mica  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2011/07/19<br>10:49 |
| S39 | 242  | (angle near2 dependen<br>\$4 or color near2 shift\$4)<br>same pigment same<br>(layered or layer or<br>multilayered or multilayer<br>or coat\$4) and (substrate<br>or base) same mica and<br>refractive near index   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2011/07/19<br>10:49 |
| S40 | 297  | (angle near2 dependen<br>\$4 or color near2 shift\$4)<br>same pigment same<br>(layered or layer or<br>multilayered or multilayer<br>or coat\$4) and (substrate<br>or base) same mica and<br>(titanium near oxide or<br>titanium near dioxide or<br>"TiO2" or "TiO.sub.2" or<br>titania) and (silicon near<br>oxide or silicon near<br>dioxide or "SiO2" or "SiO.<br>sub.2" or silica) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2011/07/19<br>10:50 |

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| S41 | 52     | ((angle near2 dependen<br>\$4 or color near2 shift\$4)<br>same pigment same<br>(layered or layer or<br>multilayered or multilayer<br>or coat\$4)).ab. and<br>(substrate or base) same<br>mica and (titanium near<br>oxide or titanium near<br>dioxide or "TiO2" or "TiO.<br>sub.2" or titania) and<br>(silicon near oxide or<br>silicon near dioxide or<br>"SiO2" or "SiO.sub.2" or<br>silica) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2011/07/19<br>10:50 |
| S42 | 2      | ("6991860").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2011/07/19<br>11:04 |
| S43 | 1      | S42 and (outer or<br>protective or aftercoat or<br>after near coat)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2011/07/19<br>11:04 |
| S44 | 9221   | pigment with (coated or<br>coat or layer or layered<br>or multilayered or<br>multilayer) same<br>(substrate or base)   | USPAT  | OR | OFF | 2011/07/27<br>13:39 |
| S45 | 870    | (pigment with (coated or<br>coat or layer or layered<br>or multilayered or<br>multilayer) same<br>(substrate or base)).ab.   | USPAT  | OR | OFF | 2011/07/27<br>13:39 |
| S46 | 33     | (pigment with (coated or<br>coat or layer or layered<br>or multilayered or<br>multilayer) same<br>(substrate or base)).ab.<br>and color near3 shift\$4   | USPAT  | OR | OFF | 2011/07/27<br>13:40 |
| S47 | 242    | 428/363.ccls.  | USPAT  | OR | OFF | 2011/07/27<br>13:42 |
| S48 | 3149   | 428/403.ccls.  | USPAT  | OR | OFF | 2011/07/27<br>13:42 |
| S49 | 123206 | (S47 S48) and pigment<br>near5 (layer or layered or<br>coat or coated or<br>multilayer or<br>multilayered) sand<br>optical near thicness   | USPAT  | OR | OFF | 2011/07/27<br>13:43 |

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| S50 | 0  | (S47 S48) and pigment near5 (layer or layered or coat or coated or multilayer or multilayered) and optical near thickness | USPAT | OR | OFF | 2011/07/27 13:43 |
| S51 | 44 | (S47 S48) and pigment near5 (layer or layered or coat or coated or multilayer or multilayered) and optical near thickness | USPAT | OR | OFF | 2011/07/27 13:43 |
| S52 | 3  | (fu.in. or peng.in. or tian.in.) and (pigment and (layer or coat) and color and thickness).clm.                           | USPAT | OR | OFF | 2011/07/27 13:44 |

**7/ 27/ 2011 1:52:45 PM**

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